



Technical specification

Project information

Customer	Optimum Solution
Project Name	63MVA transformer upgrading
Tender No.	B2019-254

Characteristic

Design		Three-phase oil-immersed Power transformer
Standards		IEC 60076
Rated Power	[MVA]	80/40-40
Phase		3
Frequency	[Hz]	50
Vector Group		YNd11d11
Primary Voltage	[kV]	115
Primary Tappings		115± 9x1.0% with OLTC
Primary Winding Conductor Material		Cu
Primary Insulation Level	[kV]	LI 480 AC 200
Primary Bushing Insulation Level	[kV]	LI 550 AC 230
Primary Neutral Insulation Level	[kV]	LI 200 AC 85
Secondary Voltage	[kV]	6
Secondary Winding Conductor Material		Cu
Secondary Insulation Level	[kV]	LI 75 AC 35
Secondary Bushing Insulation Level	[kV]	LI 200 AC 85
Cooling		ONAN
Temperature Class		A
Max. Temperature Rise (Winding/Oil)	[K/K]	65/60
Maximum Ambient Temperature	[°C]	50
Altitude	[m]	≤1500
*Impedance, Uk	[%]	10.5(HV-LV1//LV2)
*Sound pressure level(core noise)	[dBA]	70
*No Load Loss, Po	[kW]	52.2
*Load Losses, Pk @ 75 °C	[kW]	240

Type of Design

Tank Construction	Conservator type vacuum-proof tank
Surface Treatment	Painted tank RAL7035 Painted radiators

Note:

The technical parameters above are all preliminary values, ABB reserves the right to modify each and every values if considered necessarily in future stages of the quotation/order stage.

The Tolerances of Guaranteed Values are According to IEC Standards